61184

APPLIED ROBOTICS

Edwin Wise

Power Supplies
Programming Projects

Pneumatics
Microcontrollers

R/C Servos
Robot Behaviors

Adding Sense
And Much More!

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Contents

Chapter 1
Introduction To Robotics 1

Robots? 1
Tools and Equipment 2
- Radio Shack 4
- Tech America 4
- Digi-Key 4
- Mouser 4
- Small Parts, Inc. 5
- The Robot Store 5

Chapter 2
Mechanical Platforms 7

Types of Electric Motors 8
- DC Motors 8
- AC Motors 9
- Stepper Motor 9
- Servo Motors 9

Using PMDC Motors 9
- Gears and Chains 10
- Pulleys and Belts 11
- Gearboxes 12

Cheating 13
Project 2-1: Building a Small Wheeled Platform 15

Chapter 3
Power Supplies 23

Batteries 23
- Zinc-Carbon 24
- Alkaline 25
- Rechargeable Alkaline 25

Nicad 26
Nickel 26
Lithium 26
Batteries of the Future... 27
Cautions 27
Project 3-1: Motor Power Pack 27
Project 3-2: Electronics Power Pack 29
Stable Power: Linear Voltage Regulators 30
Clean Power: Separate Supplies 31
Step-Up/Step-Down Regulators 33

Chapter 4
Electronic Control 35

Project 4-1: MOSFET Switch 36
Project 4-2: PWM Speed Control 39
R/C Servo Control 42
Mechanical H-Bridge 43
Project 4-3: Semi-Mechanical H-Bridge 44
MOSFET H-Bridge 45
Project 4-4: Permanent Motor Drivers 46

Chapter 5
Adding Sense 49

Project 5-1: Time 49
Project 5-2: Touch 51
Other Feelings 55
Project 5-3: Light 55
Signal Amplification 60
Project 5-4: Sound 63

Chapter 6
It's Alive! Simple Robot Behaviors 65

Project 6-1: Braitenberg Behaviors 66
Vehicle 1 66
Vehicle 2 66
Vehicle 3 67
Enough for Now 68
..... 70

Chapter 7
Microcontroller 71

Survey of Microcontrollers 72
Memory 72
Special Options 72
Basic Stamp™ 74
8051 Family 76
68HCXX 77
PIC™ 77
AVR™ 77
Project 7-1: Atmel MCU Base 77
Machine Programming Basics 78
AT90S8515 Machine Architecture 83
Memory 84
Data Memory (SRAM) 84
Program Memory (Flash) 84
Stack 86
Registers 87
General Purpose Registers 88
Status Register 88
I/O Registers 88
Program Execution 89
Addressing Modes 89
Immediate 91
Register Direct, Single Register 91
Register Direct, Source and Destination 91
I/O Direct 92
Data Direct 93
Data Indirect 93
Constant Addressing 94
Data Indirect with Displacement 94
..... 95

Data Indirect with Pre-Decrement 95
Data Indirect with Post-Increment 96
Indirect Program Addressing 96
Relative Program Addressing 96
Instruction Set and Development Tools 97

Chapter 8
MCU Senses 99

Program 8-1: Pulse 99
Project 8-2: Touch 103
Project 8-3: Legs 105
PWM Control 106
Feelers 107
Behavior State Machine 108
Debugging 110
Project 8-4: Light 111
Project 8-5: Interfacing to Displays and Computers 115
RS-232 Serial Communications 116

Chapter 9
Igor, Fetch Me Some Brains 121

Layers of Intelligence 121
Birth to One Month: Adaptive Reflexes 122
One to Four Months: Circular Reactions 123
Four to Seven Months: Secondary Circular Reactions 123
Side Note: What is interesting? 124
Seven to Nine Months: Coordination of Secondary Reactions 124
Nine to 15 Months: Tertiary Circular Reactions 124
15 to 24 Months: Simulation of Events 125
Summary 125
The Many Shades of Grey-matter 126
Structured Programming Models 127
Neural Models 127
Generic Neurons 128
Reactive Control 130
Fuzzy Logic 132
Fuzzification 133
Fuzzy Rules 135

What's out there? Physical Senses 182
Optical Feelers 182
Modulated IR 183
TV Remote Control 184
Distance 185
Sonar 185
Heat 186
Stretch and Bend 187
Acceleration and Orientation 187
Pressure 188
Battery Voltage-Level Sensor 188

Chapter 12
R/C Servos 191

Chapter 13
Pneumatics 197

Air Power Principles 198
Air Pressure, Force, Volume, and Temperature 198
Air Flow 200
Actuator Force 201
Components 202
Air Supply 202
Air Control 206
Actuators 209
Connectors 210
Feedback 211
Mechanical Issues 211

Appendix A: Fuzbol Language Reference 213

Hardware Assumptions 214
Fuzbol Programs 215
- Tokens 215
- Statement 215
- Data Types 217

Fuzzy Numbers 217
Fuzbol Instructions 218
- '=' – see "Assignment" or "Expression" 219
- As 219
- Assignment 219
- Block 219
- Call 220
- Case – see "If" 220
- Clear 220
- Comment 220
- Constant 221
- Decide – see "If" 221
- Define 221
- Do 221
- Else – see "If" 222
- Elseif – see "If" 224
- Expression 224
- For-next – see "While" 224
- Function – see "Call" 227
- If 227
- Interrupt – see "Do" 227
- Is 228
- Loop – see "While" 228
- Method 229
- Method Prototype – see "Do" 229
- Object – see "Define" 230
- Out 230
- Outch – see "Out" 230
- Procedure – see "Call" 231
- Prototype – see "Do" 231
- Range 231
- Rule 231
- Start() – see "Method" 232
- Then – see "If" 233
- Type – see "As" 233
- Use 233
- Variable – see "As" 233

Weight 233
While 234

Appendix B: Sample Programs 235

Alive.asm 235
mcu_heart.asm 236
mcu_feeler.asm 238
mcu_motor.asm 241
mcu_eyes.asm 246
Heartbeat.fuz 253
Legs.fuz 255
Motor.fuz 257
ioPort.fuz 259
Timid.fuz 260
Fear.fuz 262
Aggression.fuz 264
Love.fuz 267
Dogged.fuz 269
Insecure.fuz 273
Moth.fuz 278
Servo.fuz 282

Appendix C: Conversions and Code References 285

Units 285
Resistor Codes 286
Capacitor Codes 286

Suppliers 289

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There's a little mad scientist in all of us. When it comes out, some interesting and sometimes brilliant things can occur. Quite possibly, a robot with realistic behaviors and senses could come rolling out of the laboratory of your mind.

With Applied Robotics, you can fulfill your dreams of building a simple robot that reacts, moves, and behaves much like the larger, more advanced systems you've seen working in manufacturing plants and guarding the hallways of warehouses.

This book is designed to give the beginner a thorough and complete introduction into the field of robotics with simple projects and easy-to-read explanations. Detailed and extensive schematics, programs, and descriptions guide you through the challenges of building a working robot. You'll be introduced to all the issues surrounding robotic systems, including mechanical design, sensory systems, electronic control, and computer software intelligence. Along the way, you'll also learn about Fuzzy Logic and microcontroller systems, including serial and memory-mapped interfacing.

Applied Robotics will have you building your own robot in no time; and who knows, maybe the knowledge you gain will help you build the next, more-advanced generation of robots walking, talking, and moving throughout the world.

About the Author:

Edwin Wise develops CAD/CAM software during the day, and explores the edges of mad science at night. He has written game software for Broderbund and Dynamix and manufacturing software for Point Control and Building Blocks, but always returns to his interest in robots and simulated intelligence after-hours. He is currently building a giant pneumatic robot named Boris, and looks forward to many more years of mad projects.

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